4 61			PCT/EP2004/002553
IPC 7	FIFICATION OF SUBJECT MATTER C12Q1/70		
According (to International Patent Classification (IP.C) or to both national cla	esification and IDO	
. FIELDS	SEARCHED		
Minimum d IPC 7	ocumentation searched (classification system followed by class C12Q	ification symbols)	
Documenta	tion searched other than minimum documentation to the extent	that such documents are inclu	ded in the fields searched
lectronic o	data base consulted during the international search (name of da	ata base and, where practical,	search terms used)
EPO-In Data	ternal, Sequence Search, WPI Data	, PAJ, MEDLINE,	BIOSIS, EMBASE, CHEM A
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ategory °	Citation of document, with indication, where appropriate, of the	ne relevant passages	Relevant to claim
(ZHOU D-J ET AL.: "One-step du assay for detection SARS assoc coronavirus" VIROLOGICA SINICA, vol. 18, no. 3, June 2003 (200	iated	1-4,16, 17,20
,	232-236, XP008033949 abstract; figures 2,3; tables		6,8, 10-12, 14,18, 19,21
		,	
	er documents are listed in the continuation of box C.	X Patent family me	embers are listed in annex.
docume conside earlier d filing de documer which is citation documer other m	nt which may throw doubts on priority claim(s) or s cited to establish the publication date of another or other special reason (as specified) nt referring to an oral disclosure, use, exhibition or leans nt published prior to the international filing date but an the priority date claimed	cried to understand invention "X" document of particular cannot be considere involve an inventive "Y" document of particular cannot be considere document is combin	shed after the international filing date not in conflict with the application but the principle or theory underlying the ar relevance; the claimed invention ad novel or cannot be considered to step when the document is taken alone ar relevance; the claimed Invention ad to involve an inventive step when the led with one or more other such documation being obvious to a person skilled if the same patent family
	November 2004	Date of mailing of the	e international search report
	ailing address of the ISA European Patent Office, P.B. 5818 Patentiano 2	Authorized officer	DEC 2004
	NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Kņehr, M	

	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
		THE VALUE TO CIRLIN NO.
X	JIE Y ET AL.: "Clinical detection of polymerase gene of SARS-associated coronavirus"	1-4,16, 17
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X	DROSTEN C ET AL: "IDENTIFICATION OF A NOVEL CORONAVIRUS IN PATIENTS WITH SEVERE ACUTE RESPIRATORY SYNDROME" NEW ENGLAND JOURNAL OF MEDICINE, MASSACHUSETTS MEDICAL SOCIETY, BOSTON, MA, US, vol. 348, no. 20, 15 May 2003 (2003-05-15), pages 1967-1976, XP001182527 ISSN: 1533-4406	14
Y	cited in the application abstract page 1969, column 1, last paragraph — column 2, paragraph 2 page 1971, column 2, last paragraph — page 1972, column 1, paragraph 2; figure 2; tables 1,2	18
	SHI R ET AL: "DESIGN AND APPLICATION OF 60MER OLIGONUCLEOTIDE MICROARRAY IN SARS CORONAVIRUS DETECTION" CHINESE SCIENCE BULLETIN, SCIENCE PRES, BEIJING, CN, vol. 48, no. 12, June 2003 (2003-06), pages 1165-1169, XP008033964 * see especially oligo18 within Tab.1 * abstract; table 1	1,2,8
	WO 02/066501 A (HYBRIGENICS ; LABIGNE AGNES (FR); DE REUSE HILDE (FR); LEGRAIN PIERRE) 29 August 2002 (2002-08-29) * see especially page 513 * abstract; example 9	1,2,10
	WO 01/47944 A (CURAGEN CORP; LEACH MARTIN (US); SHIMKETS RICHARD A (US)) 5 July 2001 (2001-07-05) * see especially page 2110 * abstract; claim 1	1,2,8
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Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	
Y	DATABASE EMBL 'Online! EUROPEAN MOLECULAR BIOLOGY LABORATORY; 21 April 2001 (2001-04-21), KIM H ET AL.: "Cloning and characterization of novel genes related with the development of rat brain" XP002305848 retrieved from EMBL Database accession no. AT005537 abstract	1,2,6	
Y	DEIMAN B ET AL: "CHARACTERISTICS AND APPLICATIONS OF NUCLEIC ACID SEQUENCE-BASED AMPLIFICATION (NASBA)" MOLECULAR BIOTECHNOLOGY, TOTOWA, NJ, US, vol. 20, no. 2, February 2002 (2002-02), pages 163-179, XP009007141 ISSN: 1073-6085 the whole document	11,12, 14,19,21	
A	KSIAZEK T G ET AL: "A novel coronavirus associated with severe acute respiratory syndrome" NEW ENGLAND JOURNAL OF MEDICINE, MASSACHUSETTS MEDICAL SOCIETY, BOSTON, MA, US, vol. 348, no. 20, 15 May 2003 (2003-05-15), pages 1953-1966, XP002276003 ISSN: 1533-4406 cited in the application the whole document		
	CN 1 458 281 A (HUANQIU ZHONGJIA BIOLOGICAL SCIENCE & TECHNOLOGY) 26 November 2003 (2003-11-26) * see especially SEQ ID NO:45, nucleotides 1-20 * abstract; claim 1	15	
PCT//SAZ10 (continuation of second sheet) (January 2004)		

Observati	ons where certain claims were found unsearchable (Continuation of Item 2 of first sheet)
This International Se	arch Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1. Claims Nos because the	.: by relate to subject matter not required to be searched by this Authority, namely:
	.: 13 By relate to parts of the International Application that do not comply with the prescribed requirements to such that no meaningful International Search can be carried out, specifically: RTHER INFORMATION sheet PCT/ISA/210
	ey are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box III Observati	ons where unity of invention is lacking (Continuation of item 3 of first sheet)
This International Sec	arching Authority found multiple inventions in this international application, as follows:
see add	litional sheet
1. X As all requir searchable	red additional search fees were timely paid by the applicant, this International Search Report covers all claims.
2. As all search of any additi	hable claims could be searched without effort justifying an additional fee, this Authority did not invite payment ional fee.
3. As only som covers only	ne of the required additional search fees were timely paid by the applicant, this International Search Report those claims for which fees were paid, specifically claims Nos.:
4. No required restricted to	additional search fees were timely paid by the applicant. Consequently, this International Search Report is the invention first mentioned in the claims; it is covered by claims Nos.:
Remark on Protest	The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box II.2

Claims Nos.: 13

Present claim 13 relates to a pair of oligonucleotides defined by reference to the following parameters: '...each oligonucleotide being 15-30 nucleotides in length and comprising at least a fragment of 18 nucleotides, and preferably being 18-26 nucleotides in length, and comprising at least a fragment of 20 nucleotides.'

It is without saying that it is impossible to specifiy an oligonucleotide when its length parameter does not fit (at all) within a given range of oligonucleotide lengths. Therefore, it is contradictory that an oligonucleotide of e.g. 15 nucleotides should comprise at least a length of 18 nucleotides. The same is true for an oligonucleotide of e.g. 18 nucleotides comprising at least a length of 20 nucleotides.

It is not clear in the light of the description what should be the minimal lengths of the oligonucleotides as specified in claim 13. Therefore, the use of these parameters in the present context is considered to lead to a lack of clarity within the meaning of Article 6 PCT. The lack of clarity is such as to render a meaningful search impossible.

Consequently, no search has been carried out for claim 13.

The applicant's attention is drawn to the fact that claims relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure. If the application proceeds into the regional phase before the EPO, the applicant is reminded that a search may be carried out during examination before the EPO (see EPO Guideline C-VI, 8.5), should the problems which led to the Article 17(2) declaration be overcome.

Information on patent family members

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
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WO 0147944	Α	05-07-2001	AU CA EP WO	2914 5 01 A 2395926 A1 1244688 A1 0147944 A2	09-07-2001 05-07-2001 02-10-2002 05-07-2001
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